ELSEVIER

Thin-Walled Structures **19** (1994) 367–368
© 1994 Elsevier Science Limited
Printed in Great Britain. All rights reserved
0263-8231/94/$7.00

Contents of Volume 19

Number 1

Vibration of an Imperfect Thin-Walled Panel. Part 1: Theory and Illustrative Examples 1
J. RAVINGER (Slovakia)

Vibration of an Imperfect Thin-Walled Panel. Part 2: Numerical Results and Experiment 23
J. RAVINGER (Slovakia)

A Simplified Model for Predicting the Shear Response of Reinforced Concrete Membranes 37
C.-K. CHOI & S.-H. CHEUNG (South Korea)

The Calculation of Modal Cross-Section Properties for use in the Generalized Beam Theory 61
P. LEACH (UK)

Numbers 2–4
Special Issue: Coupled Instabilities in Metal Structures Part I

Session 1: General Theory of Coupled Instabilities

General Report: General Theory of Coupled Instabilities . . 81
V. GIONCU (Romania)

An Investigation into Non-Linear Interaction Between Buckling Modes 129
C. M. MENKEN (The Netherlands), R. KOUHIA (Finland) & W. J. GROOT (The Netherlands)

Consistent Simplified Theory for Elastic Coupled Instability . 147
V. GIONCU (Romania)

Generalized Beam Theory — An Adequate Method for Coupled Stability Problems 161
R. SCHARDT (Germany)

On the Singularities of Constrained Elastic Systems—Umbilics . 181
C. LAZOPOULOS & S. MARKATIS (Greece)

Interactive Buckling of an Elastically Restrained Truss Structure . 197
M. PIGNATARO & A. LUONGO (Italy)

On the Stability of Pin-Joined Stiffened Frames 211
A. RAITHEL & P. CLEMENTE (Italy)

Elasto-Plastic Buckling of Compression Members as a Coupled Instability 221
V. GIONCU (Romania)

Session 2: Elements—Columns, Bars and Beams

General Report: Elements—Columns, Bars and Beams . . 237
J. W. MURZEWSKI (Poland)

Study on the Nonlinear Buckling in Thin-Walled Members with Arbitrary Initial Imperfection 253
S.-L. CHEN & S.-F. LI (China)

Local–Global Buckling Interaction — Some Recent Research Results 269
E. M. BATISTA & R. C. BATISTA (Brazil)

Coupled Instability of Thin-Walled Members Under Combined Bending Moment, Axial and Shear Force 285
M. A. AIELLO, A. LA TEGOLA & L. OMBRES (Italy)

Nonproportionally Loaded Sway Beam-Columns with Hollow Rectangular Section 299
Z. RAZZAQ (USA) & S. A. EIDAN (Saudi Arabia)

Application of Generalized Beam Theory to the Design of Thin-Walled Purlins 311
D. A. HEINZ (Germany)

A Study on Local Buckling Behavior of Hybrid Beams. . . . 337
T. SUZUKI, T. OGAWA & K. IKARASHI (Japan)

Buckling Modes of Double-Channel Cold-Formed Beams . . 353
A. GHERSI, R. LANDOLFO & F. M. MAZZOLANI (Italy)